

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims

1-80. (Canceled)

81-156. (Canceled)

157. (New) A method in a mobile station (MS) for base station change from a source base station to a target base station in a cellular radio network, wherein the base stations transfer packet switched communications between the mobile station and the network, the method comprising the steps of:

receiving from the network, a handover command message; and

upon arrival in a cell of the target base station, transmitting a message to the network providing a downlink sequence number status for a packet flow subject to lossless packet switched handover.

158. (New) The method according to claim 157, wherein the mobile station also receives a transfer of radio link control data blocks in an acknowledged mode.

159. (New) The method according to claim 157, wherein the sequence number status message includes the next expected Protocol Data Unit (PDU) to be received.

160. (New) A method in a target base station for changing a mobile station (MS) from a source base station to the target base station in a cellular radio network, wherein the source base station transfers packet switched communications between the MS and the network, the method comprising the steps of:

receiving a message from the MS providing a downlink sequence number status for a packet flow subject to lossless packet switched handover implicitly acknowledging downlink packages received by the MS; and

begin sending packets to the MS starting at a next packet after the packet implicitly acknowledged by the MS.

161. (New) The method according to claim 160, further comprising transmitting radio link control data blocks in an acknowledged mode to the mobile station.

162. (New) The method according to claim 160, wherein the sequence number status message includes the next expected Protocol Data Unit (PDU) to be received.

163. (New) A mobile station (MS) configured to change from a source base station to a target base station in a cellular radio network, wherein the base stations transfer packet switched communications between the mobile station and the network, the mobile station comprising:

a receiver for receiving a handover command message from the network; and

a transmitter for transmitting an uplink message to the network when the mobile station arrives in a cell of the target base station, the uplink message providing a downlink sequence number status for a packet flow subject to lossless packet switched handover.

164. (New) The mobile station according to claim 163, wherein the mobile station is configured to receive a transfer of radio link control data blocks in an acknowledged mode.

165. (New) The mobile station according to claim 163, wherein the mobile station is configured to include in the uplink message, the next expected Protocol Data Unit (PDU) to be received.

166. (New) A target base station configured to perform a handover of a mobile station from a source base station in a cellular radio network, wherein the source and target base stations transfer packet switched communications between the mobile station and the network, the target base station comprising:

 a receiver for receiving a message from the mobile station providing a downlink sequence number status for a packet flow subject to lossless packet switched handover, the message implicitly acknowledging downlink packets received by the mobile station; and

 a transmitter configured to begin sending packets to the mobile station starting at a next packet after the packet implicitly acknowledged by the mobile station.

167. (New) The target base station according to claim 166, wherein the transmitter is also configured to transmit radio link control data blocks in an acknowledged mode to the mobile station.

168. (New) The target base station according to claim 166, wherein the message received from the mobile station includes a next expected Protocol Data Unit (PDU) to be received by the mobile station.